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KUYAMA SADAMICHI**(54) COSMETIC IMPLEMENT****(57)Abstract:**

**PROBLEM TO BE SOLVED:** To provide a cosmetic implement, which is mainly made of a fabric, in which heating and temperature rising are caused by including aqueous liquid, defuses burning, and is gentle for a skin.

**SOLUTION:** The base material made of fabric cotton (web) non-woven fabric, cloths or knits, or a base material of cloths or knits adhered with a plastic coating or a film which contains more than 30 percent by weight of 20 mm-80 mm polyacrylic acid water-soaked heat-generated fabric. If aqueous liquid is soaked into the base material, the temperature of this cosmetic implement is raised.

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**CLAIMS**

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[Claim(s)]

[Claim 1] It is the cosmetics tool characterized by being preferably formed 5% of the weight or more from 1-100 of moisture absorption water absorption febrility fiber, and the base material using 30-80mm fiber, and carrying out temperature up by contact into the liquid containing water.

[Claim 2] The cosmetics tool characterized by sticking the coat or film of synthetic resin on the whole surface of the base material of claim 1, and carrying out temperature up by contact into the liquid containing water.

[Claim 3] It is the cosmetics tool characterized by carrying out temperature up by contact into the liquid with which it comes to carry out hair transplantation processing of the 0.3-3mm staple fiber preferably, and moisture absorption water absorption febrility fiber contains water in the whole surface of polyurethane foam 0.1-10mm.

[Claim 4] The cosmetics tool characterized by carrying out temperature up by contact into the liquid containing the liquid water which the whole surface of the base material of claim 1 is made to come to transplant hair, and contains water.

[Claim 5] The cosmetics tool according to claim 1 to 4 characterized by being polyacrylic acid system water absorption febrility fiber.

[Claim 6] The cosmetics tool according to claim 1 to 5 with which the liquid containing water is characterized by being the charge of makeup, remedy liquid, a cream, or makeup dropping liquid.

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## DETAILED DESCRIPTION

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### [Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the cosmetics tool formed by the base material which used the fiber which carries out exoergic temperature up by contact into the liquid containing water. moreover, one side of the base material formed by the fiber which carries out exoergic temperature up of this invention by contact into the liquid containing water — the coat of plastics etc. — \*\*\*\*\* — it is related with a cosmetics tool. Furthermore, this invention relates the staple fiber of the fiber which carries out exoergic temperature up by contact into the liquid containing water to the cosmetics tool which transplants hair on the whole surface of the poly URETA formation article. Furthermore, this invention relates to the cosmetics tool used when using the charge of makeup, remedy liquid, a cream, or makeup dropping liquid. In addition, a base material points out the fiber cotton (web) formed for moisture absorption absorptivity fiber, a nonwoven fabric, textiles, or knitting by this invention.

[0002]

[Description of the Prior Art] Conventionally, on the occasion of the activity of makeup liquid or remedy liquid, a certain needs to which it is supposed that he wants to carry out extent warming and to use were high in the cosmetics tool for makeup from a viewpoint gentle to the skin, or the charge of makeup. However, it was not easy to warm the cosmetics tool which applies makeup liquid, remedy liquid, or this to temperature desirable to a skin side, and, on the other hand, it had a problem accompanying the temperature change of the charge of makeup etc. In order to have carried out absorption to the skin of the charge of makeup early using the charge of makeup containing water, and to have heightened effectiveness, for makeup dropping liquid to have raised the makeup dropping effectiveness or for the penetrant remover to have raised the cleaning effect of body fat, such as a breast, the circumference of the face and a neck, although known, the skin may burn that it is appropriate to use about 40-50-degree C warm water, and it was dangerous with such high temperature. For this reason, although there was the need for makeup dropping with makeup dropping liquid at proper temperature, there was no means suitable in addition to warm water. However, in warm water, temperature control took time and effort, and since it was not a simple approach, it groped for the possible means or cosmetics tool of makeup dropping simply.

[0003] Moreover, the fiber itself which carries out exoergic temperature up by contact into the liquid containing water or the fiber cotton which used these fiber, and textiles like a web are well-known before this application. For example, the absorption/emission water absorption febrility incubation article which absorbs the moisture of the gaseous phase which invades from the outside of the sweat of the gaseous phase which generates the acrylic-acid system fiber of moisture absorption water absorption febrility from the body by making it exist in the medium of frontal land and lining cloth, and the liquid phase, or clothes, and the liquid phase, and carries out exoergic incubation (JP,7-59762,B), The protection-against-the-cold gloves for [ which raised the calorific value produced by moisture absorption and water absorption and made cold resistance improve ] skiings (JP,8-158124,A), Made absorption/emission water absorption febrility fiber hold in the shape of piloerection on a fiber base material front face with static

electricity and adhesives. Bed and bedding clothes, a glove, socks, shoes, a sleeping bag, and at large, seat covering of a toilet, electric heat — the absorption/emission water absorption febrility incubation base material (JP,8-197661,A —) used for an unnecessary foot heater, an exoergic rug, a curtain, etc. JP,8-311767,A, the manufacturing method of the composite containing absorption-and-desorption-of-moisture water absorption exoergic fiber and polyurethane foam (JP,9-109305,A), It is indicated in the fiber cotton (JP,8-311767,A) of the humid febrility fiber subject who comes to contain the staple fiber hair transplantation article (JP,08-197661,A) of the absorption/emission water absorption febrility fiber of an acrylic-acid system, an amine, a hydroxy \*\* carboxyl group, etc.

[0004]

[Problem(s) to be Solved by the Invention] By using the cosmetics tool which has moisture absorption water absorption exoergic temperature-up nature, by raising the safe temperature of 60 degrees C or less, this invention persons make up their face at safe temperature, do makeup dropping, or make it a technical problem to offer the cosmetics tool which applies cosmetics and drugs. Moreover, it is offering the cosmetics tool which has effectiveness comparable as the case having raised the absorptivity to the skin of the charge of makeup using the charge of makeup containing water, or the makeup dropping operation in a breast etc. using about 40-50-degree C warm water the circumference of the face by the penetrant remover, and a neck. In this invention, the water absorption febrility of moisture absorption water absorption febrility fiber is utilized most effectively, and let the cosmetics tool which is discolored by wiping the face in the condition of having made moderate less than temperature, for example, 60 degrees C, carrying out temperature up by contact for the moisture of the charge of makeup, makeup liquid, etc. before the activity of a cosmetics tool, and does not have which risk be a technical problem. Furthermore, let development of the cosmetics tool which is made to generate heat and is made to keep it warm be a technical problem by contacting the body in this invention.

[0005]

[Means for Solving the Problem] Although absorbing hygroscopic moisture or moisture and carrying out hydration generation of heat was known, wool was able to carry out the maximum utilization of the water absorption febrility by which it is original characterized [ of having excelled in this invention markedly as compared with such woolen hydration febrility / of water absorption febrility fiber ], and was able to embody the high cosmetics tool of profitability. Namely, the cosmetics tool which carried out hair transplantation processing of the staple fiber of these fiber on the base material formed from a web (cotton) or a nonwoven fabric of fiber etc. which generates heat by moisture absorption or water absorption in this invention, or this base material, Furthermore, it is the cosmetics tool for makeup which laminated the coat or film of plastics on the whole surface of a base material, and can consider as the possible water absorption febrility cosmetics tool of carrying out temperature up to the temperature of 60 degrees C or less by making the liquid containing a certain amount of quantity of water soak into the cosmetics tool for makeup. The fiber cotton which made the subject moisture absorption water absorption febrility fiber, an above-mentioned staple fiber hair transplantation article, or above-mentioned humid febrility fiber etc. (web), Temperature up is carried out to the temperature of 60 degrees C or less by making it try to dip the liquid containing water in the cosmetics tool which comes to laminate the coat or film of plastics on the whole surface, such as a nonwoven fabric, textiles, knitting or this fiber cotton, a nonwoven fabric, textiles, and knitting. Moreover, since it is made not to cool this cosmetics tool that carried out temperature up as much as possible, by carrying out the laminating of the coat or film of plastics to the whole surface of a cosmetics tool, absorption to the skin of the charge of makeup can be improved, or a penetrant remover can raise the cleaning effect of body fat, such as a breast, the circumference of the face and a neck. The cosmetics tool of this invention can be anywhere used only by water absorption when at temperature gentle to the about 40-50-degree C skin, without using warm water.

[0006] The moisture absorption water absorption febrility fiber for which the fiber which raised the function of water absorption febrility to use by this invention comes to contain an amine, a hydroxy \*\* carboxyl group, etc. is mentioned, and these fiber generates heat by the hydration

exothermic reaction according the moisture of self-weight [ 60% of ] order to absorption. If the moisture of a constant rate is infiltrated to the dry self-weight with the cosmetics tools using these fibers, it is possible to carry out temperature up till around a maximum of 60 degrees C. By using the charge of makeup containing the cosmetics tool water using the nonwoven fabric using these fibers, fiber Webb, a staple fiber hair transplantation article, etc., remedy liquid, a cream, etc., temperature up can be carried out by water absorption, absorption to the skins, such as a charge of makeup, and remedy liquid, a cream, can be carried out early, and effectiveness can be heightened. Moreover, effectiveness as makeup dropping containing water can be improved, or a penetrant remover can also demonstrate the cleaning effect of the body fat contained in a breast etc. the circumference of the face and a neck.

[0007] the fiber of the above-mentioned moisture absorption water absorption febrility — a tow — whether the fiber web which \*\*\*\*\* (ed) and carried out card appearance and which it was independent, or was carried out by the tow of other fiber and the fixed weight ratio is used as it is Carry out punching, and consider as a cosmetics tool using the nonwoven fabric of the thickness of arbitration, or the coat or film of plastics on one side The lamination course, Or it considers as the cosmetics tool which \*\*\*\*\* (ed) the staple fiber of this water absorption febrility fiber to a base material like polyurethane foam or a nonwoven fabric. Permeate, make full remedy liquid and creams, such as the charge of makeup and makeup dropping liquid which contain the water of a constant rate to these, and an antibacterial, it is made to generate heat, and the object can be achieved by using it in the state of optimal temperature.

[0008] 1–100mm of the water absorption febrility fiber of the polyacrylic acid system which generates heat by hydration exothermic reaction when this invention absorbs moisture, The fiber intestines cotton using 30mm – 80mm fiber 5% of the weight or more preferably, 1–100mm of the cosmetics tool which consists of a nonwoven fabric, textiles, or knitting, or this water absorption febrility fiber, Preferably 30mm – 80mm the fiber intestines cotton, nonwoven fabric which were used 5% of the weight or more, The coat or film of plastics on one side of textiles or knitting A lamination \*\*\*\*\* tool, As opposed to the cosmetics tool which makes the staple fiber of this acrylic-acid system absorption/emission water absorption febrility fiber come to transplant hair to polyurethane foam, fiber cotton, a nonwoven fabric, textiles, or knitting the liquid which applies remedy liquid, or applies makeup dropping, and contains water — \*\*\*\*\* top \*\*\*\*\* — the trouble in the conventional makeup method is solved by carrying out temperature up by things. this invention includes face toilet and the charge of makeup in a base material, when applying face toilet and the charge of makeup to the skin — making — warming — it is effective as a cosmetics tool which improves spreading and the pass-through effect according to effectiveness. Moreover, it is usable also to the heat retaining cover for the incubation when giving the charge of hair growing, and a hair restorer to preheating covering in the case of the shaving as a cosmetics tool which applies face toilet and the charge of makeup to the skin, and is made to contact the skin as face hippo –, a face mask, and face putt, and the scalp. Furthermore, an essence is applied to the skin as an esthetique application, and it is usable also as a supporter, a body towel, a gown, socks, a glove, etc. In addition, the cosmetics tool of this invention can be broadly used in quasi drugs, drugs, etc., if water is included out of face toilet and the charge of makeup.

[0009]

[Example]

[Example 1] 800 g/m<sup>2</sup> which \*\*\*\*\* (ed) the tow with a weight [ 90% of ], and a die length [ 38mm ] of rayon 2d by the ratio of 10% of weight, carried out card appearance of the tow with a die length [ 51mm ] of 3d which consists of acrylic-acid system absorption/emission water absorption febrility fiber (the Toyobo Co., Ltd. make, goods number "N-38"), and carried out it Water punching of the fiber web is carried out, and it considers as a nonwoven fabric with a thickness of 4.5mm. Subsequently, face toilet was able to be raised to 50x50mm angle (2g) of the decision article 20 degrees C or more than it by making 3.5g (95.5% of moisture regain) permeate as compared with temperature of face toilet activity-before. This water absorption febrility was effectiveness which does not attach imagination for the conventional raw materials, such as wool,, either.

[0010]

[Example 2] 700 g/m<sup>2</sup> which carried out card appearance of the tow with a die length [ 51mm ] of 3d which consists of acrylic-acid system absorption/emission water absorption febrility fiber of an example 1, and carried out it Carry out punching of the fiber web. It considers as a nonwoven fabric with a thickness of 4.5mm, and applied adhesives to the front face, the 0.3mm - 3mm staple fiber of the acrylic-acid system absorption/emission water absorption febrility fiber ( development number N-38 by Toyobo Co., Ltd.) stated to JP,08-19766,A was made to transplant hair, it dried, and heating bridge formation of the adhesives is carried out. Subsequently, 4.0g (75.0% of moisture regain) was made for a makeup milky lotion to permeate the cosmetics tool (3g) for makeup which cut out the obtained long product in diameter of 60mm, and was formed, and the temperature of face toilet was measured. Compared with activity before, 15 degrees C or more of temperature of face toilet were able to be used, having raised it.

[0011]

[Example 3] a tow with a weight [ 90% of ] and a die length [ 38mm ] of rayon 2d is \*\*\*\*\*ed by the ratio of 10% of weight for a tow with a 51mm die length of 3d which consists of acrylic-acid system absorption/emission febrility fiber of an example 1, and it is a card — 800g carried out/m<sup>2</sup> Water punching of the fiber web was carried out, and it considered as the nonwoven fabric of 4.5mm thickness, and the 30-micron film of polyurethane was laminated further and it considered as the laminate. When the obtained laminate (3g) was used as the cosmetics tool of 50x65mm angle and 4.0g (95.5% of moisture regain) was made for face toilet to permeate this, 20 degrees C or more of temperature of face toilet were able to be raised.

[0012]

[Example 4] a tow with a 51mm die length of 3d which consists of acrylic-acid system absorption/emission febrility fiber of an example 1 — 100% of 600 g/m<sup>2</sup> which used and carried out card appearance Water punching of the fiber web was carried out, and it considered as fiber Webb / nonwoven fabric of 4.0mm thickness. When 2.5g (75.5% of moisture regain) of makeup milky lotions was made to permeate 2g of decision articles of 65mm angle, the temperature of face toilet was able to be raised to 20 degrees C or more.

[0013]

[Effect of the Invention] since temperature up is simply carried out to the temperature of 60 degrees C or less by considering as the cosmetics tool which consists of a nonwoven fabric, textiles, knitting, etc., or making it try to dip the liquid containing water in the cosmetics tool which comes to laminate a coat or a film on the whole surface, such as this fiber cotton, a web, a nonwoven fabric, textiles, or knitting, it can be gently used to the skin even when and where. Moreover, in order to make it not cool the cosmetics tool which carried out temperature up as much as possible, absorption to the skin of the charge of makeup can be improved by using the coat or film of plastics for the whole surface of a cosmetics tool, or a penetrant remover can raise the cleaning effect of body fat, such as a breast, the circumference of the face and a neck, and the usefulness of the product of this invention is high.

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(54) 【発明の名称】 美容用具

(57) 【要約】

【課題】 水性液体を含有することによって発熱昇温する繊維を基材として、やけどの危険性のない、肌に優しい美容用具の提供。

【解決手段】 ポリアクリル酸系の吸放出吸水発熱性繊維の20mm～80mmの繊維を30重量%以上用いた繊維わた(ウェブ)、不織布、織物又は編物の基材又は該基材の片面にプラスチックの皮膜あるいはフィルムを貼合わせたものであって、水を含む液体を浸み込ませることによって美容用具が昇温する。

## 【特許請求の範囲】

【請求項1】 吸湿吸水発熱性繊維の1～100、好ましくは30～80mmの繊維を5重量%以上用いた基材より形成されていて、水を含む液体との接触によって昇温することを特徴とする美容用具。

【請求項2】 請求項1の基材の一面に合成樹脂の皮膜又はフィルムを貼り合わせたものであって、水を含む液体との接触によって昇温することを特徴とする美容用具。

【請求項3】 ポリウレタンフォームの一面に吸湿吸水発熱性繊維の0.1～10mm、好ましくは0.3～3mmの短繊維を植毛加工してなるものであって、水を含む液体との接触によって昇温することを特徴とする美容用具。

【請求項4】 請求項1の基材の一面に植毛せしめてなるものであって、水を含む液体水を含む液体との接触によって昇温することを特徴とする美容用具。

【請求項5】 ポリアクリル酸系吸水発熱性繊維であることを特徴とする請求項1乃至4のいずれかに記載の美容用具。

【請求項6】 水を含む液体が、化粧料、医薬液、クリーム又は化粧落し液であることを特徴とする請求項1乃至5のいずれかに記載の美容用具。

## 【発明の詳細な説明】

## 【0001】

【産業上の利用分野】本発明は、水を含む液体との接触によって発熱昇温する繊維を使用した基材によって形成された美容用具に関する。また、本発明は、水を含む液体との接触によって発熱昇温する繊維により形成した基材の片面にプラスチックの皮膜などを貼合させてなる美容用具に関する。さらに、本発明は、水を含む液体との接触によって発熱昇温する繊維の短繊維をポリウレタ形成品の一面に植毛したものである美容用具に関する。さらに、本発明は、化粧料、医薬液、クリーム又は化粧落し液を使用するとき用いる美容用具に関する。なお、本発明で基材とは、吸湿吸水性繊維で形成された繊維わた（ウェブ）、不織布、織物又は編物を指す。

## 【0002】

【従来の技術】従来、化粧液や医薬液の使用に際して、肌にやさしい観点から、化粧用美容用具や化粧料を或る程度加温して用いたいとするニーズは高かった。しかし皮膚面に好ましい温度に化粧液や医薬液あるいはこれを塗布する美容用具を暖めることは簡単でなく、一方では化粧料の温度変化にともなう問題などがあつた。水を含む化粧料を用いて化粧料の皮膚への吸収を早くして効果を高めたり、化粧落し液によって化粧落し効果を高めたり、洗浄液が顔面、首まわり、胸などの体脂の洗浄効果を上げるには、40～50℃位の温湯を用いることが適当であることは知られているが、このような高い温度では肌がやけどする場合もあり、危険であつた。このため

適宜の温度で化粧落し液による化粧落としの必要があつたが、温湯以外に適当な手段はなかつた。しかし温湯では、温度調節に手間がかかり、簡便な方法ではなかつたので、簡単に化粧落としの可能な手段又は美容用具が模索されていた。

【0003】また、水を含む液体との接触によって発熱昇温する繊維自体、あるいはこれらの繊維を使用した繊維わたやウェブのような繊維製品は、本出願前に公知のものである。例えば、吸湿吸水発熱性のアクリル酸系繊維を、表地と裏地との中間に存在せしめることにより、人体から発生する気相及び液相の汗あるいは衣服外から侵入する気相及び液相の水分を吸収して発熱保温する吸放出吸水発熱性保温品（特公平7-59762号公報）、吸湿、吸水によって生じる発熱量を高めて耐寒性を向上せしめたスキー用などの防寒手袋（特開平8-158124号公報）、吸放出吸水発熱性繊維を静電気及び接着剤によって繊維基材表面に立毛状に保持せしめた、衣服、手袋、靴下、靴、シュラフ、寝装品全般、トイレの便座カバー、電熱不要の足温器、発熱ひざ掛け、カーテンなどに用いる吸放出吸水発熱性保温基材（特開平8-197661号公報、特開平8-311767号公報）、吸放湿吸水発熱繊維とポリウレタンフォームを含む複合材の製造法（特開平9-109305号公報）、アクリル酸系の吸放出吸水発熱性繊維の短繊維植毛品（特開平08-197661号公報）、アミン、ヒドロキシ、カルボキシル基などを含有してなる湿潤発熱性繊維主体の繊維わた（特開平8-311767号公報）で開示されている。

## 【0004】

【発明が解決しようとする課題】本発明者らは、吸湿吸水発熱昇温性を有する美容用具を用いることによって60℃以下の安全な温度に上昇させることによって、安全な温度で化粧したり、化粧落ししたり、化粧品や医薬品を塗布する美容用具を提供することを課題とする。また、水を含む化粧料を用いて化粧料の皮膚への吸収性を高め、あるいは洗浄液による顔面、首まわり、胸などにおける化粧落とし作用が40～50℃位の温湯を用いた場合と同程度の効果を有する美容用具を提供することである。本発明では、吸湿吸水発熱性繊維の吸水発熱性を最も効果的に活用して、美容用具の使用前に化粧料や化粧液などの水分との接触によって適度の温度、例えば60℃以下に昇温させた状態で顔面を拭うことによりやけどの危険のない美容用具を課題とする。さらに、本発明では人体に接触することによって、発熱せしめ、かつ保温せしめる美容用具の開発を課題とする。

## 【0005】

【課題を解決するための手段】羊毛は、湿分又は水分を吸収して水和発熱することが知られているが、本発明では羊毛のこのような水和発熱性に比して格段と優れた吸水発熱性繊維の本来的特徴とする吸水発熱性を最大限利

用して経済性の高い美容用具を具現化することができた。即ち、本発明では吸湿あるいは吸水によって発熱する繊維のウェブ（わた）又は不織布などより形成された基材もしくは該基材上にこれらの繊維の短繊維を植毛加工した美容用具、さらには基材の一面にプラスチックの皮膜又はフィルムをラミネートした化粧用美容用具であって、ある程度の量の水を含む液体を化粧用美容用具に浸み込ませることによって60℃以下の温度に昇温させることの可能な吸水発熱性美容用具とすることができる。前述の吸湿吸水発熱性繊維、短繊維植毛品又は湿潤発熱性繊維などを主体とした繊維わた（ウェブ）、不織布、織物、編物又は該繊維わた、不織布、織物、編物などの一面にプラスチックの皮膜又はフィルムをラミネートしてなる美容用具に水を含む液体を浸み込ませることによって60℃以下の温度に昇温せしめ、また、昇温した該美容用具を出来るだけ冷やさないようにするため美容用具の一面にプラスチックの皮膜かフィルムを積層することによって化粧料の皮膚への吸収を良くしたり、あるいは洗浄液が顔面、首まわり、胸、などの体脂の洗浄効果を上げることができる。本発明の美容用具は、温湯を使用することなく、いつ、どこでも、水の吸収のみによって、40～50℃程度の肌に優しい温度で使用する

【0006】本発明で用いる吸水発熱性の機能を高めた繊維は、アミン、ヒドロキシ、カルボキシル基などを含有してなる吸湿吸水発熱性繊維が挙げられ、これらの繊維は自重の60%前後までの水分を吸収による水和発熱反応によって発熱する。これらの繊維を用いた美容用具では、乾燥した自重に対し一定量の水分をしみこませると、最高で60℃前後まで昇温せしめることが可能である。これらの繊維を用いた不織布、繊維ウェブ、短繊維植毛品などを用いた美容用具水を含む化粧料や医薬液、クリームなどを用いることによって、吸水により昇温して化粧料や医薬液、クリームなどの皮膚への吸収を早くして効果を高めることができる。また、水を含む化粧料としての効果を良くしたり、洗浄液が顔面、首まわり、胸などに含まれる体脂の洗浄効果も発揮することができる。

【0007】上記吸湿吸水発熱性の繊維は、トウ単独か又は他の繊維のトウと一定の重量比で混打綿してカード出した繊維ウェブをそのまま使用するか、パンチングして任意の厚さの不織布を用いて美容用具とするか、片面にプラスチックの皮膜あるいはフィルムを貼合わせたたり、又はポリウレタンフォームや不織布のような基材に該吸水発熱性繊維の短繊維を植毛せした美容用具として、これらに対して一定量の水を含む化粧料や化粧落とし液や消毒液などの医薬液やクリームを浸みこませて発熱させて、適温状態で使用することにより目的を果たすことができる。

【0008】本発明は、水分を吸収することによって水

和発熱反応により発熱するポリアクリル酸系の吸水発熱性繊維の1～100mm、好ましくは30mm～80mmの繊維を5重量%以上用いた繊維腸わた、不織布、織物又は編物からなる美容用具、又は該吸水発熱性繊維の1～100mm、好ましくは30mm～80mmの5重量%以上用いた繊維腸わた、不織布、織物又は編物の片面にプラスチックの皮膜あるいはフィルムを貼合わせた美容用具、該アクリル酸系吸放出吸水発熱性繊維の短繊維をポリウレタンフォームや繊維わた、不織布、織物又は編物に植毛せしめてなる美容用具に対して、医薬液を塗布したり、化粧落としを塗布して、水を含む液体を浸みこませることによって昇温させることによって従来の化粧法における問題点を解決する。本発明は、化粧水、化粧料を肌に塗布する場合に基材に化粧水、化粧料を含ませて加温効果により塗布及び浸透効果を良くする美容用具として有効である。また、肌に化粧水、化粧料を塗布しておいてフェイスカバー、フェイスマスク、フェイスパットとして肌に接触せしめる美容用具として、あるいはシェービングの際のプリヒートカバー、頭皮に養毛料や育毛剤を施したときの保温の為に保熱カバーにも使用可能である。さらには、エステティックの用途として美容液を肌に塗布してサポーター、ボディタオル、ガウン、靴下、手袋等としても使用可能である。なお、本発明の美容用具は、化粧水、化粧料の外に水を含むものであれば、医薬部外品、医薬品等において幅広く利用することができる。

【0009】

【実施例】

【実施例1】アクリル酸系吸放出吸水発熱性繊維（東洋紡績株式会社製、商品番号「N-38」）からなる3dの51mmの長さのトウを90%の重量、レーヨン2dの38mmの長さのトウを10%の重量の比率で混打綿してカード出した800g/m<sup>2</sup>の繊維ウェブをウオーターパンチングして4.5mmの厚さの不織布とする。次いで、その裁断品の50×50mm角（2g）に化粧水を3.5g（水分率95.5%）を浸透させることによって、化粧水の温度を使用前に比して20℃もしくはそれ以上上げることが出来た。この吸水発熱性は、羊毛など、従来の素材では想像もつかない効果であった。

【0010】

【実施例2】実施例1のアクリル酸系吸放出吸水発熱性繊維からなる3dの51mmの長さのトウをカード出した700g/m<sup>2</sup>の繊維ウェブをパンチングして4.5mmの厚さの不織布とし、その表面に接着剤を塗布して、特開平08-19766に述べられているアクリル酸系吸放出吸水発熱性繊維（東洋紡績株式会社製 開発番号N-38）の0.3mm～3mmの短繊維を植毛せしめ、乾燥し、接着剤を加熱架橋せしめた。次いで、得られた長尺製品を直径60mmに裁断して形成された化

スポンジ  
不織布

粧用美容用具(3g)に化粧乳液を4.0g(水分率75.0%)を浸透させて化粧水の温度を測定した。化粧水の温度を使用前に比べて15℃以上上げて使用することが出来た。

# 【0011】

【実施例3】実施例1のアクリル酸系吸放出発熱性繊維からなる3dの51mm長さのトウを90%の重量、レーヨン2dの38mmの長さのトウを10%の重量の比率で混打綿してカード出した800g/m<sup>2</sup>の繊維ウェブをウォーターパンチングして4.5mm厚さの不織布とし、更にポリウレタンの30ミクロンのフィルムをラミネートして、積層品とした。得られた積層品(3g)を50×65mm角の美容用具とし、これに化粧水を4.0g(水分率95.5%)を浸透させたところ、化粧水の温度を20℃以上上げることができた。

# 【0012】

【実施例4】実施例1のアクリル酸系吸放出発熱性繊維からなる3dの51mm長さのトウを100%の用いて

カード出した600g/m<sup>2</sup>の繊維ウェブをウォーターパンチングして4.0mm厚さの繊維ウェブ/不織布とした。65mm角の裁断品2g)に化粧乳液2.5g(水分率75.5%)を浸透させたところ、化粧水の温度を20℃以上に上げることが出来た。

# 【0013】

【発明の効果】不織布、織物、縐物、などからなる美容用具とするか、あるいは該繊維わた、ウェブ、不織布、織物又は縐物などの一面に皮膜又はフィルムをラミネートしてなる美容用具に水を含む液体を浸しみ込ませることによって、簡単に60℃以下の温度に昇温するので、いつ、どこでも肌に優しく使用することができる。また、昇温した美容用具を出来るだけ冷やさないようにするために美容用具の一面にプラスチックの皮膜かフィルムを使用することによって化粧料の皮膚への吸収を良くしたり、洗浄液が顔面、首まわり、胸などの体脂の洗浄効果を上げることができ、本発明の製品の有用性は高い。

フロントページの続き

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